Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080520\
Data File : BF121191.D
Acq On : 5 Aug 2020 13:45
Operator : JU/CG
Sample : L3521-07MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
COMP-CDMSD

**Manual Integrations APPROVED**
mohammad
8/6/2020 1:21:02 PM

Quant Time: Aug 05 14:27:22 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 29 14:55:43 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.79 | 152 | 122531 | 20.00 | ng | -0.01 |
| 21) Naphthalene-d8 | 8.08 | 136 | 482377 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.83 | 164 | 255992 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.32 | 188 | 505115 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 13.97 | 240 | 429223 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.42 | 264 | 479168 | 20.00 | ng | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.41 | 112 | 714919 | 95.65 | ng | 0.00 |
| 7) Phenol-d6 | 6.43 | 99 | 898405 | 93.05 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.36 | 82 | 591420 | 70.94 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.63 | 330 | 287223 | 102.50 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.16 | 172 | 1099633 | 64.13 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.91 | 244 | 1205420 | 61.05 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.49 | 88 | 126209 | 36.689 | ng | 99 |
| 3) Pyridine | 3.23 | 79 | 303674 | 33.185 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.17 | 42 | 166371 | 42.518 | ng | 99 |
| 6) Aniline | 6.46 | 93 | 450049 | 35.710 | ng | 94 |
| 8) 2-Chlorophenol | 6.58 | 128 | 407219 | 49.456 | ng | 100 |
| 9) Benzaldehyde | 6.34 | 77 | 249373 | 61.333 | ng | 98 |
| 10) Phenol | 6.45 | 94 | 489239 | 46.065 | ng | 95 |
| 11) bis(2-Chloroethyl)ether | 6.53 | 93 | 369855 | 45.439 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 6.73 | 146 | 384165 | 43.027 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.81 | 146 | 391369 | 44.082 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 6.96 | 146 | 384373 | 45.764 | ng | 99 |
| 15) Benzyl Alcohol | 6.94 | 79 | 329787 | 48.300 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45 | 498593 | 42.498 | ng | 98 |
| 17) 2-Methylphenol | 7.06 | 107 | 325306 | 44.575 | ng | 99 |
| 18) Hexachloroethane | 7.30 | 117 | 143748 | 44.734 | ng | 100 |
| 19) n-Nitroso-di-n-propylamine | 7.21 | 70 | 241816 | 44.046 | ng | 95 |
| 20) 3+4-Methylphenols | 7.21 | 107 | 372340 | 40.107 | ng | 98 |
| 22) Acetophenone | 7.20 | 105 | 494561 | 45.683 | ng | 97 |
| 24) Nitrobenzene | 7.38 | 77 | 404114 | 44.976 | ng | 99 |
| 25) Isophorone | 7.62 | 82 | 743642 | 44.696 | ng | 99 |
| 26) 2-Nitrophenol | 7.69 | 139 | 221963 | 52.014 | ng | 96 |
| 27) 2,4-Dimethylphenol | 7.74 | 122 | 348320 | 50.274 | ng | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.83 | 93 | 470057 | 46.283 | ng | 99 |
| 29) 2,4-Dichlorophenol | 7.94 | 162 | 339690 | 47.980 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.02 | 180 | 348618 | 44.382 | ng | 99 |
| 31) Naphthalene | 8.10 | 128 | 1093993 | 44.213 | ng | 99 |
| 32) Benzoic acid | 7.88 | 122 | 242068 | 46.543 | ng | 98 |
| 33) 4-Chloroaniline | 8.15 | 127 | 320623 | 29.047 | ng | 99 |
| 34) Hexachlorobutadiene | 8.22 | 225 | 199401 | 43.062 | ng | 99 |
| 35) Caprolactam | 8.53 | 113 | 118899m | 52.369 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.65 | 107 | 360262 | 49.615 | ng | 95 |
| 37) 2-Methylnaphthalene | 8.79 | 142 | 767703 | 47.784 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.89 | 142 | 717333 | 47.143 | ng | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216 | 350659 | 47.015 | ng | 99 |

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Quant Time: Aug 05 14:27:22 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 29 14:55:43 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.95 | 237 | 325349 | 78.927 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.07 | 196 | 251276 | 47.849 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.12 | 196 | 270442 | 45.400 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.26 | 154 | 915905 | 46.904 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.28 | 162 | 712003 | 44.722 | ng | | 97 |
| 48) 2-Nitroaniline | 9.38 | 65 | 232385 | 48.300 | ng | | 99 |
| 49) Acenaphthylene | 9.70 | 152 | 1154297 | 46.671 | ng | | 100 |
| 50) Dimethylphthalate | 9.56 | 163 | 969563 | 52.499 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.63 | 165 | 196151 | 49.437 | ng | | 91 |
| 52) Acenaphthene | 9.87 | 154 | 662059 | 42.104 | ng | | 100 |
| 53) 3-Nitroaniline | 9.79 | 138 | 152016 | 30.548 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 9.91 | 184 | 218277 | 94.245 | ng | | 98 |
| 55) Dibenzofuran | 10.05 | 168 | 1000309 | 43.991 | ng | | 98 |
| 56) 4-Nitrophenol | 9.97 | 139 | 333012 | 88.096 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 10.03 | 165 | 255863 | 49.106 | ng | | 94 |
| 58) Fluorene | 10.39 | 166 | 760431 | 44.838 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.16 | 232 | 226636 | 49.970 | ng | | 99 |
| 60) Diethylphthalate | 10.26 | 149 | 856639 | 45.858 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.37 | 204 | 373432 | 41.283 | ng | | 99 |
| 62) 4-Nitroaniline | 10.42 | 138 | 222188 | 45.837 | ng | | 99 |
| 63) Azobenzene | 10.54 | 77 | 797294 | 44.833 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.45 | 198 | 150382 | 51.165 | ng | | 89 |
| 66) n-Nitrosodiphenylamine | 10.50 | 169 | 728625 | 45.855 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.87 | 248 | 253501 | 45.014 | ng | | 95 |
| 68) Hexachlorobenzene | 10.93 | 284 | 286618 | 47.049 | ng | # | 91 |
| 69) Atrazine | 11.03 | 200 | 211838 | 53.831 | ng | | 98 |
| 70) Pentachlorophenol | 11.13 | 266 | 324372 | 92.944 | ng | | 98 |
| 71) Phenanthrene | 11.35 | 178 | 1177279 | 45.318 | ng | | 100 |
| 72) Anthracene | 11.40 | 178 | 1204285 | 46.166 | ng | | 100 |
| 73) Carbazole | 11.56 | 167 | 1176281 | 45.438 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.89 | 149 | 1369151 | 45.830 | ng | | 99 |
| 75) Fluoranthene | 12.54 | 202 | 1338425 | 46.481 | ng | | 99 |
| 77) Benzidine | 12.66 | 184 | 615080 | 54.504 | ng | | 99 |
| 78) Pyrene | 12.77 | 202 | 1384234 | 45.615 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.39 | 149 | 628244 | 46.441 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.96 | 228 | 1247740 | 48.006 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.92 | 252 | 433703 | 44.229 | ng | | 97 |
| 83) Chrysene | 14.00 | 228 | 1240067 | 45.400 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 13.94 | 149 | 814339 | 48.817 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.56 | 149 | 1503177 | 45.293 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.86 | 276 | 1508506 | 45.267 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.00 | 252 | 1509049 | 52.101 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.03 | 252 | 1156001 | 43.763 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.36 | 252 | 1256579 | 47.551 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 16.88 | 278 | 1217031 | 44.709 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.30 | 276 | 1277991 | 47.616 | ng | | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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